

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application.

**COMPLETE LISTING OF THE CLAIMS:**

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Claims 1-23 : (Canceled)

Claim 24 : (New) A receiver circuit comprising:

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- a) an antenna for receiving a modulated carrier signal at a modulation frequency;
  - b) a transistor connected to the antenna and configured to operate as a detector of modulation of the carrier signal;
  - c) a resonator circuit connected to the transistor and configured such that the transistor simultaneously self-oscillates at substantially the modulation frequency to produce an oscillation signal;
  - d) an oscillator quenching means for periodically quenching oscillation of the transistor; and
  - e) oscillating sensing means connected to the resonator circuit and arranged to receive the oscillation signal and for sensing characteristics of a build-up of oscillation to indicate a presence of the modulated carrier signal.


Claim 25 : (New) The receiver circuit according to claim 24, in which the oscillator quenching means quenches the oscillation of the transistor when a magnitude of the

oscillation signal reaches a selected magnitude, and in which the means for sensing measures a time between quenching of the transistor to indicate the presence of the modulated carrier signal.

Claim 26 : (New) The receiver circuit according to claim 25, in which the selected magnitude is a point at which oscillator compression of the transistor occurs.

Claim 27 : (New) The receiver circuit according to claim 24, in which the oscillator quenching means quenches the oscillation of the transistor at regular time intervals, and in which the means for sensing measures a magnitude of the oscillation signal over at least one of the time intervals to indicate the presence of the modulated carrier signal.

Claim 28 : (New) The receiver circuit according to claim 24, in which the transistor comprises a field effect transistor.

 Claim 29 : (New) The receiver circuit according to claim 28, in which the oscillator quenching means quenches the oscillation of the field effect transistor by varying a drain source current.

Claim 30 : (New) The receiver circuit according to claim 24, in which the resonator circuit comprises a ceramic resonator.

Claim 31 : (New) The receiver circuit according to claim 24, in which the resonator circuit comprises a quartz crystal.

Claim 32 : (New) The receiver circuit according to claim 24, in which the resonator circuit comprises a network of at least one of a capacitor and an inductor.

Claim 33 : (New) The receiver circuit according claim 24, and further comprising a matching network between the antenna and the transistor.

Claim 34 : (New) The receiver circuit according to claim 24, in which the modulated carrier signal is at least one of a frequency and a phase modulated carrier signal, and further comprising a narrowband filter for converting the at least one of the frequency and the phase modulated signal to an amplitude modulated signal before the modulated carrier signal is applied to an input of the transistor.

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